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aTS1577 , A3052 cap, 2

FRARY REPORT NO. 8

' ' 8 //

CROP of 1975



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 December 5, 1975

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1974, USDA, AMS, Cotton Division, May 1975.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1975

Discussion of Test Results

Short staple cottons tested from the Southwest through November 28 this season have better fiber and spinning properties than a year earlier, according to the Cotton Division, Agricultural Marketing Service, USDA. The average fiber length is considerably longer than a year ago and fibers are coarser and stronger. Picker and card waste is lower. Yarns spun from these samples are stronger and have higher appearance grades. Yarn imperfections are fewer than a year ago. Average spinning potential yarn number is higher.

Average results for all medium staple samples tested to date show fiber properties to be about the same as a year ago. Picker and card waste is lower. Yarns spun from these samples show about the same strength and appearance as last season. There are more yarn imperfections and the spinning potential yarn number is lower than a year ago.

Medium staple samples tested from the Southeast show fibers to be finer and stronger at zero gage strength tests. Shirley Analyzer nonlint content is higher. Yarns spun from these samples show yarn skein strength to be weaker with lower appearance grades. Yarn imperfections are higher than last season at this time. Average spinning potential yarn number is lower.

Medium staple samples tested from the south central states show coarser fibers than a year ago. Picker and card waste is lower. Yarns spun from these samples show yarn imperfections are higher than a year ago. The average spinning potential yarn number is lower.

Southwestern medium staple samples tested have finer fibers and weaker fiber strength at zero gage strength tests. Both yarn strength and appearance are slightly higher. Picker and card waste is lower. Yarns spun from these samples show higher imperfection count than a year ago.

Medium staple samples tested from the western area show fibers to be longer, finer and stronger than a year ago. Picker and card waste is lower. Yarns spun from these samples are stronger. Average spinning potential yarn number is higher.

The average results for all long staple samples tested show fibers to be shorter than a year ago. The average mike is the same as last season but the average zero gage fiber strength is higher. Picker and card waste is higher as is comber waste. Yarn appearance grades are higher. Both carded and combed yarn imperfection counts are higher than a year ago. Average spinning potential yarn number is lower.

Long staple samples tested from the southeastern states show fibers to be shorter, coarser and stronger than a year ago. Both picker and card and comber waste are higher than last year. Both carded and combed yarns spun from these samples are weaker. Yarn appearance grades are higher than a year ago. Average spinning potential yarn number is lower.

South Central states long staple samples tested show fibers to be shorter, finer and stronger at zero gage strength tests. Shirley Analyzer nonlint content is higher. Picker and card waste is also higher. Yarns spun from these samples are slightly stronger than a year ago. Carded yarn appearance grades are higher. Both carded and combed imperfections are higher.

Long staple samples from the western area are stronger than a year ago. Shirley Analyzer nonlint content is lower but both picker and card and comber waste are a little higher. Yarns are considerably stronger and have higher appearance grades than a year ago. Both carded and combed yarn imperfections are higher. The average spinning potential yarn number is lower than a year ago.

Averages of fiber and processing tests from selected gin points in the United States through November 28, 1975

Table 1.--Cotton:

Fiber test results Lots Fibrograph Mike Fiber strength	Area, and Crop year		Short Staple: Southwest 1974 1975	Medium Staple: Southeast 1974 1975	South Central 1974 1975	Southwest 1974 1975		U.S. Average 1974 1975	Significant dif- ference 2/
Fiber test results Mike Fiber	tested	No.	12 16	36	87 88	30	38	191 171	
Fiber test results Mike Fiber	2.5% span	Inches	46.	1.09	1.11	1.07	1.11	1.10	0.02
results	50/2.5 unif.	Pct.	54 74	45 45	54 44	†††	9 1	4 5 5 5	a
	fine- ness	Rdg.	4.1	† C.	44	4.3	4.4 ~.0	44 66	0.2
strength	Zero gage	Mpsi	87 89	. 88 48	84 85	84 82	92 93	85 86	a
_	strengtn 1/8" gage	G/tex	50	8 8	ଝ ଝ	55	25 27	ଟ୍ଟ ଟ୍ର	1
	S A nonlint	Pct.	3.5	w.t	3.0	9.0	0°.7	3.9	0.5
	P&C waste	Pct.	7.0	0.0 0.0	5.50	6.0	v.v.	6.1	0.5
Process	Yar Skein str.	Lbs.	85 101	102 98	105	99	116 126	106	lt (20s)
Processing test results	Yarn quality n Appear-Imperf- ance ections	Index	98	105	103	92 95	102 93	102 98	5
results	perf-	No.	17 14	17	16	19	15	17 23	a
	Spin. Potent.	Yarn No.	38 44	62 53	64 58	59	67 70	63 59	м

Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

						- 5 -			
	γďς	1 10	No.	68	64	91	74	m	
	ctns	comb	No.	8	6	10	9	CV	
	Imprfctns	card comb	No.	19	17	8 6 6 7	19	a	
Processing Test Results	Quality Appearance	ਰ	Lbs. Indx Indx N Carded & Combed Yarn	112 114	118	104	111	7	
Test	Yarn Quality	carded	Indx	105	102	93	101	7.	
essing	Ya rth		Lbs. s Carde	123	124	148	131	4(22s) 2(50s)	
Pro	Strength	carded combed	Lbs. I 22s (105	104	129 141	112	μ(22s) 2	
	Comber	waste	Pct.	17.2	18.2	14.4 15.4	16.6	0.5	
	P&C	waste	Pct.	9.00	9.5	7.2	8.3	0.5	
	SA Non-	lint	Pct.	w w 0.0.		7.0 0.0	8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.5	
62	gth 1/8"	gage	G/tx	23	83 83	27	なな	-	,
Results	Strength Zero 1/8'	gage	Mpsi	81 85	98 88	8%	88	N	,
Test R		_	Rdg.	0.4	r. 0.	3.7	0.4	0.2	
Fiber T		UIIII	Pct.	43 43	†‡ †4	422	††	a	١
Fi	17	Spari	In.	1.15	1.15	1.17	1.16	0.02	
	Lots		No.	12	75	5	23		
	Staple group, Area, and	Crop year		Long Staple: Southeast 1974 1975	South Central 1974 1975	West 1974 1975	U.S. Average 1974 1975	Significant Difference 2/	- 1 -

Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples. Based on a limited number of samples of modal quality नोल

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1975

	Spin. Poten-	tial	No No		33	30
	Imprfectins Spin.	lint Gra Yel Waste 8s or 22s or 8s or 22s or 8s or 22s or 7t tx 27 tx	N N		27	12
arns	Imprf	8s or 74 tx	잂		64	20
arded		22sor 27 tx	S)		110	110
lts - (Appearance Index	8s or 74 tx	위		5.6 130	120
Processing Test Results - Carded Yarns	tion	22s or 27 tx	Pct			5.5
ssing Te	Elongation	8s or 74 tx	Pet Pet		ENT 6.7	ENT 6.9
Proces	gth	22s or 27 tx	SqT		4.9 3 4 7.6½/ 282 89 6.7	95 PERCENT
	Strength	8s or 74 tx	Lbs		282	278
	Color Raw Stock P & C	Waste	Pct		7.6 1	6.8 1
	Color aw Stock	Yel	읽		4	3
		Gra	No No		3	2
	Elon- S.A.	lint	Pct		6.9	3.7
lts	Elon-	1/8"	Pet		TRIPPER 31 21 5.7	TRIPPER 31 20 5.7 3.7 2 3 6.8 1 278 81 6.9 5.5 120 110
Fiber Test Results	Fiber Strength	1/8" Gage	G/tex		STRIPPER 31 21 5.7	STRIPPER 31
Fiber	Fi Stre	Zero Gage	Mpsi		88	86
	Mike		Rdg		3.4	3.6
	ital graph	Unif	Pet		45	46
	Digital Fibrograph	2.5% span	티티		0.89	0.84
		Stple	32s	AREA	29	28
rea,	er			⋖	AS 42	42
ion A	& Numb	Grade			TEX SP	SP
Production Area,	& Sample Number	No Grade Name & Code		SOUTHWEST	NORTHWEST TEXAS HART 1 SLM LT SP 42 29 0.89	TULIA 1 SLM LT SP 42 28 0.84

1/ Cotton stuck to processing rolls

									- 7 -								
		Spin.	tial	N N	95	14	65	65	20	44	50		58	54	59	59	57
		Imprfect'ns	50s or 12 tx	N N	18	56	54	15	18	32	13		14	18	10	22	19
	Yarns	Imprf	22s or 27 tx	<u>8</u>	22	31	28	18	20	36	14		20	23	15	35	24
	Carded Ya	nce	50s or 12 tx	No	80	70	70	80	80	09	80		06	80	06	70	06
	1.1	Appearance Index	22s or 5	ଥ	100	90	06	100	100	90	120		120	100	110	100	120
	est Resu	Elongation	50s or	Pet	9.4	4.4	4.4	4.4	0.4	8 8 5 12	3.9		4.7	3.9	5.0	4.3	4.8
	Processing Test Results		or 22s or		PERCENT 30 6.8	PERCENT 26 5.8	PERCENT 38 6.3	PERCENT 33 5.8	PERCENT 29 5.4	PERCENT 27 4.7 28 5.3	PERCENT 29 5.5		PERCENT 32 6.4	PERCENT 32 5.0	PERCENT 36 6.4	PERCENT 35 5.6 31 6.0	PERCENT 36 6.6
	Proc	Strength	s or 50s	sq	100 PE 102 30	100 PE 89 26	100 PE 112 38	75 PE 98 33	98 PEI 90 29	100 PE 86 27 93 28	90 PE 99 29		100 PE 106 32	100 PE 99 32	100 PE	100 PE 104 35 98 31	100 PE 107 36
		P & C	Waste 22	Pet	6.0 1	7.5	5.4 1	5.1	6 • 1	7.9	5.6		5.3 1	5.8	5.9 1	7.8 1	6.2
		Color Raw Stock		8	Э	~	3	6	9	m m	2		3	ж	2	m m	۴
		Co	Gra	욄	7	2	ю	60	m	4 60	-		2	2	-	2 1	2
		S.A.	Non- Lint	Pct	2.9	3 4.1	2.3	I 2.5	2.9	5.0	1.5		3 2.8	3.0	2.4	3 5.1 3.2	2.7
	lts	Elon-	gat'n 1/8"	Pct	INE 16 7.6	ILLE 603	417	KING 11 6.8	201	612 5.6 5.6	201		FONEVILLE 213 22 6.1	ONEVILLE 21	INE 16 7.7	ONEVILLE 21 3 7.2 4 7.2	INE 16
	Test Results	Fiber Strength	1/8" Gage		DELTAPINE 22 7.	STONE VI 23	COKER 24	01 X 1E 22	COKER 22	MCNAIR 22 23	COKER 22		STONEV 22	STONEV 23	DEL TAP INE	STONEV 23 24	DELTAPINE 23 7.
	Fiber T	Fi	Zero	Mpsi	80	81	89	& 4	79	85 86	87		82	9.3	84	85 85	86
			Mike	Rdg	4.2	3.5	4.0	4.0	4.6	44	4.6		4.4	4.2	4.2	4.4	4.5
		al	Unif	Pet	43	42	77	44	45	9 4 4	45		4.5	45	4.5	46	45
		Digital Fibrograph		티	1.08	1.01	1.12	1.07	1.09	1.11	1.03		1.08	1.06	1.03	1.11	1.13
			Stple	32s AREA	34	33	35	34	34	35 35	34	AREA	34	35	35	35	35
,	Area,	nber	gle	1	41	LE 41	41	41	45	VA 51 51	4A 31		14	41	41	511	4.1
	Production Area, Classification	& Sample Number	No Grade	SOUTHEAST	ALABAMA HUNTSVILLE 2 SLM	MERIDIANVILL 2 SLM	PRATTVILLE 2 SLM	SCOTTSBORO 2 SLM	GEORGIA NORMAN PARK 1 SLM LT SP	NORTH CARDLINA LAURINBURG 2 LM 3 LM	SOUTH CAROLINA MAYESVILLE 3 MID	SOUTH CENTRAL	ARKANSAS DUMAS 3 SLM	HUGHES 3 SLM	MARION 3 SLM	TURRELL 2 LM 3 SLM	WYNNE 2 SLM

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

								- 8 -	-									
	Spin.	Poten- tial	8	19	56	62	88	9	59	51	65	55	9	54	89	62	69	
	Imprfect'ns	50s or	1 ~ 1	12	18	20	σο	19	20	19	15	20	œ	18	19	14	16	
Yarns	Imprf	22s or	2	1.7	27	27	10	24	26	25	56	30	11	25	24	17	19	
Carded Ya	ance	Os or		80	7.0	70	100	80	80	80	7.0	80	9.0	80	70	80	70	
	Appearance Index	22s or 57	N N	100	100	100	110	100	100	110	100	80	120	110	110	100	100	
Test Results	ation	50s or	Pct	6.4	4.0	5.1	5.0	4.1	4.4	3.3	4.3	4.5	4.5	4.3	5.4	6.4	4 8	
Processing Te	Elongation	22s or	ابد	PERCENT 40 6.4	PERCENT 34 5.4	PERCENT 34 6.0	PERCENT 41 7.4	PERCENT 37 6.4	PERCENT 36 5.4	PERCENT 34 5.4	PERCENT	PERCENT 34 5.8	PERCENT 35 6.6	PERCENT 34 5.3	PERCENT 38 7.1	PERCENT	PERCENT 38 6.5	
Proce	ngth	50s or		PER 40) PER 34) PER 34) PER 41	37) PER 36) PER 34			PER 38	
	Strength	22s or 27 tx	Lbs	100	100	100	100 1	100	100	100	100	100	85 109	100	100	100 116	100	
	P & C		Pet	5.2	6.2	5.8	3.5	5.9	6.1	<u>√</u> 6.9	/16.9	6.5	4.6	6.3	4.6	5.1	4.7	
	lor Stock	Yel	읽	2	2	~	7	9	m	2	3	3	2	3	2	~	7	
	Color Raw Sto		일	-	2	2	1	2	~	-	3	2	7	7	٣	-	2	
	S.A.	Non- Lint	Pet	2.2	3.6	2.4	1.8	3 4.1	3 3.8	1N 3.4	3.8	3.7	2.1	6.4	2.9	2.9	2.2	
ts	Elon-	gat'n 1/8"	Pet	NE 16 6.9	21	NE 16 6.9	INE 16 7.2	11.E 21.	1LLE 213 6.3	11LE 731N 5.4 3	KING 11	1LLE 213 5.8	INE 16 7.3	INE 25 6.5	INE 16	INE 45A	INE 16	
st Results	er gth	1/8" Gage	G/tex	DELTAPINE 23 6	STONEVILLE 23 6.	DELTAPINE 22 6.	DELTAPINE 24 7	STONEVILLE 23 6.	STONEVILLE 24 6.	STONEVILLE 23 5.4	DIXIE K 24	STONEVILLE 23 5.8	DELTAPINE 22 7	DELTAPINE 23 6.	DELTAPINE 24	DELTAPINE 24	DELTAPINE 24	
Fiber Test	Fiber	Zero Gage	Mpsi	4	86	83	83	83	86	93	96	87	82	87	81	84	82	
E		Mike	Rdg	4.5	4.5	4.2	4.	4.3	4. 8	4.7	4.3	4.4	4.4	4.4	3.9	4.4	0.4	
	al raph	Unif.	Pet	45	45	45	46	45	47	46	46	45	94	46	43	94	43	rolls
	Digital Fibrograph		In nued)	1.19	1.11	1.09	1.14	1.08	1.12	1.11	1.06	1.11	1.07	1.09	1.13	1.07	1.13	essing
		Stple	32s Conti	35	35	35	36	35	35	35	34	35	35	35	35	35	35	proc
Area,	ber		3EA(EVCE 41	ENCE 41	41	31	51	1,	41	51	51	41	41	ξN 51	.LF 41	41	uck to
Production Area, Classification	& Sample Number	No Grade Name & Code	SOUTH CENTRAL AREA(Continued)	LOUISIANA LAKE PROVIDENCE 1 SLM 41	LAKE PROVIDENCE 2 SLM 41	SHREVEPORT 2 SLM	MISSISSIPPI ARCOLA 2 MID	EDWARDS 2 LM	GLENDORA 1 LM	GREENWOOD 2 SLM	INDIANOLA 2 LM	LYON 2 LM	MACON 2 SLM	NITTA YUMA 2 SLM	PANTHER BURN 3 LM	ROBINSONVILLE 2 SLM 4	SCGTT 3 SLM	1/ Cotton stuck to processing rolls
			Ω				Σ											

,	1	1						- 9 -							
	Spin. Poten-	tial		63	52	57	50	59	99	53	51	9		43	45
	Imprfect'ns	50s or 12 tx No		21	6	16	18	18	14	80	18	19		11	42
Yarns	Imprf	22s or 27 tx 3		27	==	16	20	23	19	14	22	26		82	54
Carded Ya		No No		80	90	80	80	90	80	06	06	980		09	9
1		27 tx		06	120	100	100	100	100	100	100	110		09	9
st Results		Nos or 12 tx Pet		5.2	3.7	4.3	4.1	4•3	5.0	4.3	0.4	4.3		4.5	3.9
Processing Test	Elonge	27 tx Pct		PERCENT 57 6.8	PERCENT 30 5.4	PERCENT 32 5.8	PERCENT 28 5.8	PERCENT 34 5.9	PERCENT 39 6.2	PERCENT 33 5.5	PERCENT 27 6.0	PERCENT 34 5.4		PERCENT* 31 5.6	PERCENT* 28 6.4
Pro	Strength	27 tx 12 tx Lbs Lbs		100 PE	100 PEI	100 PI	75 PEI 96 28	99 PEI	100 PE	95 PEI	75 PE	95 PEI 101 34		100 PEF 91 31	100
	P&C Waste	Pet	,	6.2	4.9	5.7	5.8	7.4	6.3	5.6	6.7	7.0		0.0	7.92/
	¬ Ω —	Iso Iso		2	3	m	~	4	7	9	3	8		~	ň
	Raw	Gra No		-	-	2	ю	4	2	-	٣	2		-	2
	S.A. Non-	Fet		2.8	6 2.6	3 2.4	3.7	3 4.5	4.4	2.4	3.3	F 5.5		6.2	5.9
ults	Elon- gat'n			PINE 55 6.5	STONEVILLE 256 22 5.0	STONEVILLE 213 22 6.5	PINE 16 6.7	STONEVILLE 21 23 7.5	π 7.4	PINE 16 7.7	CK 6.2	SMOOTHLEAF 6.4		312	ER 5110 6.4
est Res	er gth 1/8"	Gage G/tex		DELTAPINE 24 6.	ST ONE 22	STONE 22	DELTAPINE 21 6	STONE 23	AUBURN 24	DEL TAP INE 23	HANCOCK 22	REX S		COKER 22	COKER 22
Fiber Test Results	Fiber Strength Zero 1/	Gage		98	96	83	84	82	87	83	84	4.8		8 4	83
	Mike	Rdg		0•4	4.8	0.4	4.0	4.2	4.1	4.3	3.9	4.0		3.0	511/34 1.03 39 2.8 83 22
	al raph	Pet		45	94	45	45	46	45	45	45	45		41	39
	Digital Fibrograph 2.5% Ini	span In		1.15	1.11	1.08	1.08	1.10	1.14	1.09	1.02	1.06		1.07	1.03
	Stole	32s Conti	ed)	36	35	35	35	35	35	35	34	34	AREA	/34	34
Area,		e (ntinu	50	4.1	41	51	25	51	41	51	51	Ā	^S 51 <u>1</u> √34	
Production Area, Classification	Sample Number No Grade	Name & Code T Span 32s In SOUTH CENTRAL AREA-(Continued)	MISSISSIPPI (Continued)	SCOTT 1 LM PLUS	TRIBBETT 2 SLM	MISSOURI BELL CITY 3 SLM	COOTER 3 LM	ESSEX 3 LM LT SP	SENATH 3 LM	TENNESSEE BRADEN 2 SLM	FLINTVILLE 3 LM	MILLINGTON 2 LM	SOUTHWEST	NORTHWEST TEXAS LUBGOCK 1 LM	LUBBOCK 1 LM * 100 percent

* 100 percent selected for tests, less than 100 percent in the area $\frac{1}{2}/$ Reduced from 41 because of bark $\frac{2}{2}/$ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

			1					- 1	.0 -								
	Spin.	roten- tial	N N		53	19	52	94	63	11	99	80	42	7.2	70	82	
	Imprfect'ns	50s or 12 tx	<u></u>		11	13	16 14	19	18	56	12	16	18	1.1	13	15	
arns	Imprf	22s or 27 tx	읾		15	19	15	20	27	35	17	18	30	21	16	17	
Carded Yarns	ance	50s or 12 tx	01		06	80	70	80	09	70	70	70	70	70	80	80	
1	Appearance Index	22s o r 27 tx	읽		120	100	06	100	06	06	90	100	06	100	100	100	
st Resu	tion	50s or 12 tx			4.6	5.3	5.1	3.9	4.3	5.3	4.7	4.6	4.4	4 . 8	4.6	5•3	
Processing Test Results	Elongation	or 22s or	Pet		PERCENT 37 5.9	PERCENT 42 6.2	PERCENT 35 5.5 38 6.5	PERCENT 33 4.8	PERCENT 43 5.6	PERCENT 46 6.5	PERCENT 42 6.4	PERCENT 50 6.0	PERCENT	PERCENT 45 6.4	PERCENT 47 5.5	PERCENT 50 6.4	
Pro	Strength	22s or 50s 27 tx 12 t	βl		100 PE 107 37	100 PE 117 42	91 PE 106 35 116 38	100 PE 98 33	100 PE	100 PE 128 46	90 PE 123 42	97 PE 136 50	95 PE 131 47	100 PE 128 45	100 PE 123 47	100 PE 136 50	
	20 88 EA	Waste	Pet	r	4.6	5.8	6.1	6.1	4.91/	5.4	5.0	5.4	4.5	5.5	. 8 . 5	5.0	
	Color w Stock	Yel	읾		6	۳	m m	4	3	8	2	2	3	æ	2	~	
	СоВам	Gra	읾		C	-		-	-	c	0	0	-	O	-	2	
	S.A.	Lint	Pet		2.4	2.6	2.9	3 1.9	2.7	2.0	2.4	2.4	1.7	2.2	2.8	2.5	
lts	Elon-	1/8"	Pet		INE 61 7.0	INE 61	INE 66 6.2 5.9	11LE 213	5.1-2	5.9	57-5	5.6	5.7	5J-3 5.8	5.2	5,1-3	
est Results	ber ngth	1/8" Gage	G/tex		DELTAPINE 25	DELTAPINE 24	DEL TAP INE 24 6 23 5	STONEVILLE 24 5.	ACALA 27	ACALA 27	ACALA 25	ACALA 28	ACALA 27	ACALA 27	ACALA 27	AC AL A	
Fiber Tes	Fiber	Zero Gage	Mpsi		87	84	92	89	96	92	83	95	66	32	16	66	
		Mike	Rdg		5.3	4.5	3.9	5.2	3.8	3.5	4.0	4.3	4.2	4.2	4.0	3.9	
	al rraph	Unif.	Pct		46	46	44	45	4	44	44	46	46	45	45	48	rolls
	Digital Fibrograph	2.5% span	r <u>l</u>		1.11	1.15	1.07	1.09	1.19	1.12	1.11	1.15	1.12	1.14	1.12	1.15	essing
		Stple	32s	AREA	35	36	35 35	35	35	36	36	36	35	36	36	35	o proc
Area,	ber	a		A	31	31	31 31	31	₩ 31	К 31	41	31	31	11	4.0	4 1	uck t
Production Area,	& Sample Number	No Grade Name & Code		WEST	ARIZONA BUCKEYE 2 MID	CASA GRANDE 1 MID	ELOY 1 MID 2 MID	GILA BEND 1 MID	CALIFORNIA RUTTONWILLOW 2 MID	CANTUA CREEK 1 MID	CORCORAN 2 SLM	DOS PALOS 1 MID	HANFORD 2 MID	HURON 1 MIO	LEMOORE 1 SLM PLUS	LOST HILLS 2 SLM	$ lap{1}$ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1975--(Continued)

ı	1		,	1							
		Spin.	roten- tial	N N		14	75	75	74	80	68
		Imprfect'ns	50s or 12 tx	N O		11	19	56	26	18	17
	arns	Imprf	22s or 50s or 27 tx 12 tx	N O		24	24	29	35	22	25
	arded Ya	ance	50s or 12 tx	외		70	10	70	70	70	70
	lts - C	Appearance Index	50s or 22s or 50s or 12 tx	잂		90	90	80	90	100	90
	est Resu	Elongation	50s or 12 tx	Pct		4.9	4 8	4 8	4.6	5.1	4.8
	Processing Test Results - Carded Yarns	Elong	22s or 50s or 22s or 50s or 22s or 50s or 22s or 50s or 27 tx 12 tx 27 tx 12 tx 27 tx 12 tx	Pct		PERCENT 49 6.5	PERCENT	96 PERCENT 49 6.2	PERCENT 50 5.8 50 6.1	PERCENT 51 6.2	PERCENT 45 6.0
	Proce	gth	50s o	Lbs			PERC 47	PERC 49	PER 50	PER 51	PER 45
		Strength	22s or 27 tx	<u>I.bs</u>		100 136	100	96	85 138 132	99	85 122
		Color Raw Stock P & C	Waste	Pct		5.3	5.2	5.3	5.9	5.3	5.7
		Lor Stock	Yel	읽		3		~	2 2	۳	3
		Color Raw Sto	Gra	읽		0	1	-		Ö	0
		Ω.A.	Non- Lint	Pct		1.9	2.3	2.6	2.5	1 · 8	1.8
	ts	Elon-	gat'n 1/8"	Pct		5,-2	5J-2 5.9	SJ-2 6.0	\$3-4 6.1 5.6	5.5 5.9	5.6 5.6
	Fiber Test Results	er gth	1/8" Gage	G/tex		ACALA SJ-2 27 5.	ACALA 26	ACALA 27	ACALA 27 28	ACALA 26	ACALA SJ-2 27 5.
	iber Te	Fiber Strength	Zero Gage	Mpsi		96	92	93	95	96	92
]		Mike	Reg		3.9	4.1	4.5	3.7	3.7	4.2
		al graph	Unif.	Pet		41	46	47	46	94	46
		Digital Fibrograph	Stple 2.5% span	티		36 1.14	36 1.15	1.09	1.11	1.15	1.13
			Stple	32s ()	(ps	36	36	35	36 35	36	35
	Area,	er		inue	tinne	31	41	41	4 1 1	31	31
	Production Area, Classification	& Sample Number	No Grade Name & Code	WEST AREA (Continued)	CALIFORNIA (Continued)	ORANGE COVE 1 MID	SHAFTER 3 SLM	STRATFURD 2 SLM	STRATHMORE 2 SLM 3 SLM	TRANQUILITY 1 MID	VISALIA 1 MID

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1975

	Spin.	tial	왕		48	54	4		63		98	0 80	26
	su.	or 50s or x 12 tx	No 		25	16 8 8	10		22		22	28	17
suc	Imprfect'ns	22s or 5 27 tx 1	No 		31.	24 11	11 8		30		27	35	23
Processing Test Results - Carded Yarns		s or	N N		70	80 100	100		06		06	70	100
lts - Ca	Appearance Index	22s or 5 27 tx 1	ଥ		100	110	120		100		100	100	100
st Resu	tion	50s or 12 tx	Pct		3.0	4 m 4	6. 4 8 6. 8 6.		4.1		5.3	5.6	5.0
ssing Te	Elongation	22s or 27 tx	Pct		PERCENT 27 4.6	7.0 7.0 8.0	PERCENT 28 5.1 40 5.5		PERCENT 36 5.1 47 5.9		PERCENT 51 6.4 60 6.7	PERCENT 50 6.5 61 7.0	PERCENT 54 5.8 63 6.1
Proce	th	or 50s or tx 12 tx	Lbs			29					80 PER 51 60	85 PER 50 61	99 PER 54 63
	Strength	22s or 27 tx	Lbs		95	112 92 116	100 93 112		100 105 130		140 159	8 140 158	9 147 166
	P&C and	Comber Waste	Pct		10.3	13.4 9.9 18.8	8.5 18.5		8 . 8 . 18 . 4		7.5	7.3 15.3	6.5
	Color Raw Stock	Yel	윌		ω,	* ~ *	2*		2 *		~ *	~ *	~ [*]
	Co.	Gra	일		r	4			. 7		C	0	_
	S.A.	Lint	Pet		4.2	3.8	2 • 5		4.7		2.6	1.8	1.3
ts	Elon-	1/8"	Pet		310	5.5	310 5.8		310 5.5		1517-70	1517-70 6.0	1517-C 5.3
Fiber Test Results	er ngth	1/8" Gage	G/tex		COKER 22	22	COKER 22		COKER 23		ACALA 26	ACALA 27	ACALA 25
iber Te	Fiber	Zero	Mpsi		98	98	82		87		76	93	96
		Mike	Rdg		4 • 1	4.4	4.		3.7		3.5	8 • 8	3.8
	t	Unif.	Pet		43	43	4		45		45	45	4
	Digital Fibrograph	2.5%	ul I		1.11	1.10	1.11		1.12		1.17	1.15	1.13
	1 -	Stple	32s	AREA	35	35	3.4	AREA	36	AREA	36	36	37
rea,	3r			A	A CK 52	15	A 41		S I	٨	31	31	1,
Production Area,	Sample Number	No Grade Name & Code		SOUTHEAST	NORTH CAROLINA SCOTLAND NECK I LM LI SP 5	2 LM	SOUTH CAROLINA HARTSVILLE 3 SLM	SOUTH CENTRAL	MISSISSIPPI LAKE CORMORANT 3 LM 51	WEST	NEW MEXILO ARTESIA 2 MIO	PERINO I MID	WEST TEXAS TORVILLU I MID

* Comber Waste and Combed Yarn Data